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MAN-MACHINE INTERFACE FOR PLANT

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ABSTRACT

PURPOSE: To cope with various types of instructions by means of input sentences in various expressions by preparing data to which the relation between a standard sentence pattern and instruction contents is applied.

CONSTITUTION: In an input sentence analyzing device 3, a morpheme/syntax analyzing part 31 recognizes words included in an input sentence in a natural language by means of an operator/maintenance crew by means of a morpheme/ syntax analysis, and an instruction contents fixing part 32 identifies the instruction contents with the use of the data to which the relation between the standard pattern prepared beforehand and the instruction contents is applied. Next, a necessary information acquiring part 35 uses an information item necessary for the instruction execution prepared beforehand and the data concerning an acquiring method, and acquires information necessary for the execution instruction by referring to the input sentence, an interactive history, etc. Further a corresponding part 34 to function/argument outputs the instruction contents and the acquired information by making them correspond to the function and argument value of each type of a program prepared in a process computer. Thus the input sentence in the various expressions including the omission of a postpositional word, substantive finish, etc. is coped with.